IstvÃ¡n NagypÃ¡l

List of Publications by Year
in descending order

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21 papers	794 citations	687363 13 h-index	713466 21 g-index
21 all docs	21 docs citations	21 times ranked	399 citing authors

#	Article	IF	Citations
1	Fluctuations and stirring rate effects in the chlorite-thiosulfate reaction. The Journal of Physical Chemistry, 1986, 90, 6285-6292.	2.9	151
2	Gravity-induced anisotropies in chemical waves. Journal of the American Chemical Society, 1986, 108, 3635-3640.	13.7	133
3	Systematic design of chemical oscillators. 60. Kinetics and mechanism of the reaction between chlorite ion and hypochlorous acid. The Journal of Physical Chemistry, 1990, 94, 2954-2958.	2.9	119
4	Kinetics and Mechanism of the Decomposition of Chlorous Acid. Journal of Physical Chemistry A, 2003, 107, 6966-6973.	2.5	56
5	Three Autocatalysts and Self-Inhibition in a Single Reaction:Â A Detailed Mechanism of the Chloriteâ^'Tetrathionate Reaction. Inorganic Chemistry, 2006, 45, 9877-9883.	4.0	44
6	Stochastic behavior and stirring rate effects in the chloriteâ€“iodide reaction. Journal of Chemical Physics, 1988, 89, 6925-6928.	3.0	41
7	Autocatalysis and Self-Inhibition:Â Coupled Kinetic Phenomena in the Chloriteâ^'Tetrathionate Reaction. Journal of the American Chemical Society, 2004, 126, 6246-6247.	13.7	38
8	Kinetics and Mechanism of the Reaction between Thiosulfate and Chlorine Dioxide. Journal of Physical Chemistry A, 1998, 102, 7267-7272.	2.5	35
9	Effect of Chloride Ion on the Kinetics and Mechanism of the Reaction between Chlorite Ion and Hypochlorous Acid. Inorganic Chemistry, 2008, 47, 7914-7920.	4.0	33
10	Effect of magnetic fields on a propagating reaction front. Nature, 1990, 347, 749-751.	27.8	30
11	Kinetics and Mechanism of the Chlorine Dioxide-Tetrathionate Reaction. Journal of Physical Chemistry A, 2003, 107, 10063-10068.	2.5	29
12	Kinetics and mechanism of the reaction between hypochlorous acid and tetrathionate ion. International Journal of Chemical Kinetics, 2000, 32, 395-402.	1.6	23
13	Iodine Hydrolysis Equilibrium. Journal of Solution Chemistry, 2003, 32, 385-393.	1.2	19
14	Propagating reaction front in â€˜frozenâ€™ phase. International Journal of Chemical Kinetics, 1991, 23, 99-101.	1.6	11
15	On the derivation of the Gibbsâ€“Helmholtz equation. ChemTexts, 2016, 2, 1.	1.9	10
16	Kinetics and mechanism of the reaction between thiosulfate and chlorite ions at 90Â°C. International Journal of Chemical Kinetics, 1986, 18, 345-353.	1.6	7
17	Compatible mechanism to characterize three independent but cross-coupled reactions of chlorite ion. Chaos, 2015, 25, 064604.	2.5	6
18	Novel Formulation of the Gibbsâ€“Energy Change in Terms of Stoichiometrically Unique Response Reactions. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1996, 51, 1079-1083.	1.5	4

#	Article	IF	Citations
19	Peculiar kinetics of the complex formation in the iron(III)â€“sulfate system. International Journal of Chemical Kinetics, 2008, 40, 114-124.	1.6	3
20	Joule-Thomson coefficient in systems with multiple chemical equilibria. Journal of Mathematical Chemistry, 1996, 20, 365-384.	1.5	1
21	Kinetics and mechanism of the reaction between hypochlorous acid and tetrathionate ion. International Journal of Chemical Kinetics, 2000, 32, 395-402.	1.6	1